

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



A standard linear barcode is located at the bottom of the page, spanning most of the width.

**(43) International Publication Date
2 August 2001 (02.08.2001)**

PCT

(10) International Publication Number
WO 01/55205 A1

(51) International Patent Classification ⁷ :	C07K 14/47,	60/227,182	22 August 2000 (22.08.2000)	US
C12N 5/10, 5/16, 15/12, 15/63, 15/64		60/226,681	22 August 2000 (22.08.2000)	US
		60/227,009	23 August 2000 (23.08.2000)	US
(21) International Application Number:	PCT/US01/01337	60/228,924	30 August 2000 (30.08.2000)	US
		60/229,344	1 September 2000 (01.09.2000)	US
(22) International Filing Date:	17 January 2001 (17.01.2001)	60/229,343	1 September 2000 (01.09.2000)	US
		60/229,287	1 September 2000 (01.09.2000)	US
(25) Filing Language:	English	60/229,345	1 September 2000 (01.09.2000)	US
		60/229,513	5 September 2000 (05.09.2000)	US
(26) Publication Language:	English	60/229,509	5 September 2000 (05.09.2000)	US
		60/230,438	6 September 2000 (06.09.2000)	US
(30) Priority Data:		60/230,437	6 September 2000 (06.09.2000)	US
60/179,065	31 January 2000 (31.01.2000)	US	60/231,413	8 September 2000 (08.09.2000)
60/180,628	4 February 2000 (04.02.2000)	US	60/232,080	8 September 2000 (08.09.2000)
60/184,664	24 February 2000 (24.02.2000)	US	60/231,414	8 September 2000 (08.09.2000)
60/186,350	2 March 2000 (02.03.2000)	US	60/231,244	8 September 2000 (08.09.2000)
60/189,874	16 March 2000 (16.03.2000)	US	60/232,081	8 September 2000 (08.09.2000)
60/190,076	17 March 2000 (17.03.2000)	US	60/231,242	8 September 2000 (08.09.2000)
60/198,123	18 April 2000 (18.04.2000)	US	60/231,243	8 September 2000 (08.09.2000)
60/205,515	19 May 2000 (19.05.2000)	US	60/231,968	12 September 2000 (12.09.2000)
60/209,467	7 June 2000 (07.06.2000)	US	60/232,401	14 September 2000 (14.09.2000)
60/214,886	28 June 2000 (28.06.2000)	US	60/232,399	14 September 2000 (14.09.2000)
60/215,135	30 June 2000 (30.06.2000)	US	60/232,400	14 September 2000 (14.09.2000)
60/216,647	7 July 2000 (07.07.2000)	US	60/232,397	14 September 2000 (14.09.2000)
60/216,880	7 July 2000 (07.07.2000)	US	60/233,063	14 September 2000 (14.09.2000)
60/217,487	11 July 2000 (11.07.2000)	US	60/233,064	14 September 2000 (14.09.2000)
60/217,496	11 July 2000 (11.07.2000)	US	60/233,065	14 September 2000 (14.09.2000)
60/218,290	14 July 2000 (14.07.2000)	US	60/232,398	14 September 2000 (14.09.2000)
60/220,963	26 July 2000 (26.07.2000)	US	60/234,223	21 September 2000 (21.09.2000)
60/220,964	26 July 2000 (26.07.2000)	US	60/234,274	21 September 2000 (21.09.2000)
60/225,757	14 August 2000 (14.08.2000)	US	60/234,997	25 September 2000 (25.09.2000)
60/225,270	14 August 2000 (14.08.2000)	US	60/234,998	25 September 2000 (25.09.2000)
60/225,447	14 August 2000 (14.08.2000)	US	60/235,484	26 September 2000 (26.09.2000)
60/225,267	14 August 2000 (14.08.2000)	US	60/235,834	27 September 2000 (27.09.2000)
60/225,758	14 August 2000 (14.08.2000)	US	60/235,836	27 September 2000 (27.09.2000)
60/225,268	14 August 2000 (14.08.2000)	US	60/236,369	29 September 2000 (29.09.2000)
60/224,518	14 August 2000 (14.08.2000)	US	60/236,327	29 September 2000 (29.09.2000)
60/224,519	14 August 2000 (14.08.2000)	US	60/236,370	29 September 2000 (29.09.2000)
60/225,759	14 August 2000 (14.08.2000)	US	60/236,368	29 September 2000 (29.09.2000)
60/225,213	14 August 2000 (14.08.2000)	US	60/236,367	29 September 2000 (29.09.2000)
60/225,266	14 August 2000 (14.08.2000)	US	60/237,039	2 October 2000 (02.10.2000)
60/225,214	14 August 2000 (14.08.2000)	US	60/237,038	2 October 2000 (02.10.2000)
60/226,279	18 August 2000 (18.08.2000)	US	60/237,040	2 October 2000 (02.10.2000)
60/226,868	22 August 2000 (22.08.2000)	US	60/237,037	2 October 2000 (02.10.2000)
		60/236,802	2 October 2000 (02.10.2000)	US

[Continued on next page]

54

(54) Title: NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES

(57) Abstract: The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

The remaining pages of this document are provided in electronic format on the attached compact disc.

Full paper copies will be provided upon request by the Examiner.